THERMOCHIMICA ACTA, VOLUME 124 (1988)

AUTHOR INDEX

Abd El Kader, A.E.K.K. 171
Abd El Wahed, M.G. 171
Abdel Mottalb, M. 171
Allan, J.R. 345
Arnaiz, A.R. 35

Barreiro-Rodríguez, G. 179, 229
Barten, H. 339
Bassi, P.S. 197
Bechev, Ch. 1
Bennington, K.O. 241
Bismondo, A. 311
Bowley, H.J. 345

Chakravorty, S.K. 43
Chopra, G.S. 197
Cordfunke, E.H.P. 157, 285
Coyle, R.T. 65, 79, 89

Daut, G.E. 241
Den Ouden, A.T. 329
Desseyn, H.O. 17

Esmans, E.L. 17

Gaitán, M. 25
Galarza-Mondragón, A. 229
Gallo, B. 35
García-Clavel, Mª E. 359
Geboes, P. 17
Gerrard, D.L. 345
Ghosh, A. 297
Gómez, M.L. 9
Goñi-Elizalde, S. 359
Guerrero, A. 9
Guillory, J.K. 99
Gupta, B.R. 197

Ihara, H. 147

Jambon, C. 129
Jerez, A. 9, 25

Katime, I. 247, 263
Khadikar, P.V. 371
Koner, S. 297
Konings, R.J.M. 157

Lahiri, S.C. 43

Mackenzie, R.C. 119
Méndez-Ruíz, F. 179
Merlin, J.C. 129
Mills, R.E. 65, 79, 89
Moir, H.M. 119

Nagata, I. 53
Negishi, A. 147
Nuño, T. 247, 263

Onofri, A. 185
Ozawa, T. 147, 389

Pal, A. 43
Paton, A.D. 345
Perticaroli, P. 185
Pico, C. 25
Pilcher, G. 319
Pysiak, J. 235, 385

Radic, D. 263
Rahman, A.A. 119
Rajić, S. 163
Ramírez, A. 9
Ray Chaudhuri, N. 297
Reich, L. 139
Reis, A.M.V. 319
Ribeiro da Silva, M.A.V. 319
Rizzo, L. 311
Rodante, F. 185

Saito, A. 217
Sabalski, B. 235, 385
Sakamoto, R. 147
Santiago, C. 35
Schuijff, A. 329
Sitran, S. 311
Stivala, S.S. 139
Strydom, C.A. 277

Takahshi, Y. 147
Tamura, K. 53
Torres-Gómez, L.A. 179, 229
Turvey, K. 345

Van Deventer, J.S.J. 109, 205
Van Miltenburg, J.C. 329
Van Vuuren, C.P.J. 277
Veiga, M.L. 25

Westrum, E.F., Jr. 285
Winnike, R.A. 99
Wurster, D.E. 99

Zlatanović, D. 163

THERMOCHIMICA ACTA, VOLUME 124 (1988)

SUBJECT INDEX

Acetonitrile,
thermodynamics of solutions containing acetonitrile and 1-butanol (Nagata, Tamura) 53
Adipic acid,
studies in solid state reactions between basic copper carbonate with cinnamic, succinic and adipic acids (Bassi et al.) 197
Amorphous lanthanide sulfates,
formation of amorphous lanthanide sulfates and their crystallization (Saito) 217
Arrhenius equation,
on the sensitivity of scale values in the Arrhenius equation (Pysiak, Sabalski) 235

Basic copper carbonate,
studies in solid state reactions between basic copper carbonate with cinnamic, succinic and adipic acids (Bassi et al.) 197
Batch solution calorimetry,
a solid sampling device for use in batch solution calorimetry (Winnike et al.) 99
Bis-azodye complexes,
electrical properties of some bis-azodye complexes (Abd El Wahed et al.) 171
Branched alkanes,
excess volumes of trimethylphosphite and tributylphosphate with branch alkanes and linear alkanes (Jambon, Merlin) 129
1-Butanol,
thermodynamics of solutions containing acetontrile and 1-butanol (Nagata, Tamura) 53

Calcite,
interaction of kaolinite with calcite on heating. II. Mixtures with one kaolinite in carbon dioxide (Mackenzie et al.) 119
Carbon dioxide,
interaction of kaolinite with calcite on heating. II. Mixtures with one kaolinite in carbon dioxide (Mackenzie et al.) 119
Cesium molybdate,
the thermochemical properties of cesium molybdate, Cs_2MoO_4, from 298.15 to 1500 K (Konings, Cordfunke) 157
Cinnamic acid,
studies in solid state reactions between basic copper carbonate with cinnamic, succinic and adipic acids (Bassi et al.) 197
Co(II) methanesulfonates,
thermal decomposition of Co(II), Cu(II) and Zn(II) methanesulfonates (Ramírez et al.) 9
Cobalt(II),
thermal and electrical studies on pyrazine-2,3-dicarboxylic acid compounds of manganese(II), cobalt(II), nickel(II), copper(II) and zinc(II) (Allan et al.) 345
Cobaltocene,
vapour pressures and enthalpies of sublimation of ferrocene, cobaltocene and nickelocene (Torres-Gómez et al.) 179
Compensation for thermal dissociation,
discussing coefficient values of the compensation for thermal dissociation reactions of the type A(solid) $\rightleftharpoons$ B(solid) + C(gas) (Pysiak, Sabalski) 385
Computer-determined kinetic parameters,
computer-determined kinetic parameters from TG curves. Part XXI (Reich, Stivala) 139
Copper(II),
thermal and electrical studies on pyrazine-2,3-dicarboxylic acid compounds of manganese(II), cobalt(II), nickel(II), copper(II) and zinc(II) (Allan et al.) 345
Copper(II) chelates,
thermal studies on copper(II) chelates of some O-/N-donor ligands (Khadikar) 371
Cu(II) methanesulfonates,
thermal decomposition of Co(II), Cu(II) and Zn(II) methanesulfonates (Ramirez et al.) 9

Derivative thermoanalytical curves,
a simple kinetic relation of derivative thermoanalytical curves (Ozawa) 389
Dialkylammoniumdialkyldithiocarbamates,
enthalpies of decomposition of dialkylammoniumdialkyldithiocarbamates (alkyl = ethyl, n-propyl, i-propyl, i-butyl) (Ribeiro da Silva et al.) 319
3-(4,5-Dimethyl-2-thiazolylazo)-2,6-diaminopyridine,
thermal decomposition of 3-(4,5-dimethyl-2-thiazolylazo)-2,6-diaminopyridine (Gallo et al.) 35
Dithiooxamides,
complexes of group II_b metals with dithiooxamides. I. Thermal properties of $Zn(CH_3NHCSCSNHCH_3)X_2$ (X = Cl, Br, I) complexes (Geboes et al.) 17

Europium(III) nitrate,
the thermal decomposition of lanthanum(III), praseodymium(III) and europium(III) nitrates (Strydom, van Vuuren) 277

Ferrocene,
vapour pressures and enthalpies of sublimation of ferrocene, cobaltocene and nickelocene (Torres-Gómez et al.) 179

Goethite,
thermal behavior in air of iron oxyhydroxides obtained from the method of homogeneous precipitation. Part I. Goethite samples of varying crystallinity (Goñi-Elizalde, García-Clavel) 359
Group II_b metals,
complexes of group II_b metals with dithiooxamides. I. Thermal properties of $Zn(CH_3NHCSCSNHCH_3)X_2$ (X = Cl, Br, I) complexes (Geboes et al.) 17

Homogeneous precipitation,
thermal behavior in air of iron oxyhydroxides obtained from the method of homogeneous precipitation. Part I. Goethite samples of varying crystallinity (Goñi-Elizalde, García-Clavel) 359

Ionization of benzoic acid,
thermodynamics for the ionization of benzoic acid in ethanol + water mixtures at 298.1 K (Chakravorty et al.) 43
Iron oxyhydroxides,
thermal behavior in air of iron oxyhydroxides obtained from the method of homogeneous precipitation. Part I. Goethite samples of varying crystallinity (Goñi-Elizalde, García-Clavel) 359

$KAlO_2$,
the standard formation data for $KAlO_2$ (Bennington, Daut) 241
Kaolinite,
interaction of kaolinite with calcite on heating. II. Mixtures with one kaolinite in carbon dioxide (Mackenzie et al.) 119
K_2CO_3–$BaCO_3$,
differential thermal analysis of phase equilibria in mixtures of anhydrous carbonates. III. K_2CO_3–$BaCO_3$ (Mills, Coyle) 89

Lanthanum(III) nitrate,
the thermal decomposition of lanthanum(III), praseodymium(III) and europium(III) nitrates (Strydom, van Vuuren) 277
Li_2CO_3–$BaCO_3$,
differential thermal analysis of phase equilibria in mixtures of anhydrous carbonates. I. Li_2CO_3–$BaCO_3$ (Mills, Coyle) 65
Linear alkanes,
excess volumes of trimethylphosphite and tributylphosphate with branch alkanes and linear alkanes (Jambon, Merlin) 129

Manganese(II),
thermal and electrical studies on pyrazine-2,3-dicarboxylic acid compounds of manganese(II), cobalt(II), nickel(II), copper(II) and zinc(II) (Allan et al.) 345
Measurement of enthalpies of sublimation,
a new method for the measurement of enthalpies of sublimation using differential scanning calorimetry (Torres-Gómez et al.) 229
Methacrylic derivates bulk polymerization,
kinetics of methacrylic derivates bulk polymerization by DTA. Study of the influence of the monomer side group (Katime et al.) 263
N-Methyl-1,3-propanediamine complexes of nickel(II),
thermally induced isomerization and decomposition of *N*-methyl-1,3-propanediamine complexes of nickel(II) in the solid state (Ghosh et al.) 297
Mixtures of anhydrous carbonates,
differential thermal analysis of phase equilibria in mixtures of anhydrous carbonates. I. Li_2CO_3–$BaCO_3$ (Mills, Coyle) 65
differential thermal analysis of phase equilibria in mixtures of anhydrous carbonates. II. Na_2CO_3–$BaCO_3$ (Mills, Coyle) 79
differential thermal analysis of phase equilibria in mixtures of anhydrous carbonates. III K_2CO_3–$BaCO_3$ (Mills, Coyle) 89
Molybdenum disulfide,
chemical reactions between molybdenum disulfide and sodium chloride in a stream of oxygen in the temperature range 470–900 K (Rajić, Zlatanović) 163
Mono alkyl itaconates bulk polymerization,
kinetics of mono alkyl itaconates bulk polymerization by DTA (Katime, Nuño) 247
Monomer side group,
kinetics of methacrylic derivates bulk polymerization by DTA. Study of the influence of the monomer side group (Katime et al.) 263

Na_2CO_3–$BaCO_3$,
differential thermal analysis of phase equilibria in mixtures of anhydrous carbonates. II. Na_2CO_3–$BaCO_3$ (Mills, Coyle) 79

New method,
a new method for the measurement of enthalpies of sublimation using differential scanning calorimetry (Torres-Gómez et al.) 229
Nickel(II),
thermal and electrical studies of pyrazine-2,3-dicarboxylic acid compounds of manganese(II), cobalt(II), nickel(II), copper(II) and zinc(II) (Allan et al.) 345
Nickelocene,
vapour pressures and enthalpies of sublimation of ferrocene, cobaltocene and nickelocene (Torres-Gómez et al.) 179

O-/N-donor ligands,
thermal studies on copper(II) chelates of some O-/N-donor ligands (Khadikar) 371

Phase equilibria,
differential thermal analysis of phase equilibria in mixtures of anhydrous carbonates. I. Li_2CO_3–$BaCO_3$ (Mills, Coyle) 65
differential thermal analysis of phase equilibria in mixtures of anhydrous carbonates. II. Na_2CO_3–$BaCO_3$ (Mills, Coyle) 79
differential thermal analysis of phase equilibria in mixtures of anhydrous carbonates. III. K_2CO_3–$BaCo_3$ (Mills, Coyle) 89
Praseodymium(III) nitrate,
the thermal decomposition of lanthanum(III), praseodymium(III) and europium(III) nitrates (Strydom, van Vuuren) 277
Pyrazine-2,3-dicarboxylic acid compounds,
thermal and electrical studies on pyrazine-2,3-dicarboxylic acid compounds of magnanese(II), cobalt(II), nickel(II), copper(II) and zinc(II) (Allan et al.) 345

Quasi-adiabatic calorimeter,
calculation computer program for a quasi-adiabatic calorimeter (Rodante et al.) 185

Reduction of cassiterite by graphite,
the effect of admixtures on the reduction of cassiterite by graphite (van Deventer) 109

Selective chlorination of ilmenite,
kinetics of the selective chlorination of ilmenite (van Deventer) 205
Sensitivity of scale values,
on the sensitivity of scale values in the Arrhenius equation (Pysiak, Sabalski) 235
Sodium chloride,
chemical reactions between molybdenum disulfide and sodium chloride in a stream of oxygen in the temperature range 470–900 K (Rajić, Zlatanović) 163
Solid sampling device,
a solid sampling device for use in batch solution calorimetry (Winnike et al.) 99
Succinic acid,
studies in solid state reactions between basic copper carbonate with cinnamic, succinic and adipic acids (Bassi et al.) 197

Te(VI)–Sb(V)–M(I) (M(I) = Ag, Tl, K, Rb, Cs),
syntheses of mixed oxides of the system Te(VI)–Sb(V)–M(I) (M(I) = Ag, Tl, K, Rb, Cs) (Veiga et al.) 25
Thermal characterization techniques,
on the representation of relationships obtained by thermal characterization techniques (Bechev) 1
Thomson heat,
direct measurement of the Thomson heat by differential scanning calorimetry (DSC) (den Ouden et al.) 329
Thorium(IV) complexes of some dicarboxylic acids,
thorium(IV) complexes of some dicarboxylic acids in aqueous solution: a potentiometric and calorimetric study (Bismondo et al.) 311
Tributylphosphate,
excess volumes of trimethylphosphite and tributylphosphate with branch alkanes and linear alkanes (Jambon, Merlin) 129
Trimethylphosphite,
excess volumes of trimethylphosphite and tributylphosphate with branch alkanes and linear alkanes (Jambon, Merlin) 129

β-UO_3,
the thermodynamic properties of β-UO_3 and γ-UO_3 (Cordfunke, Westrum) 285
γ-UO_3,
the thermodynamic properties of β-UO_3 and γ-UO_3 (Cordfunke, Westrum) 285
Uranyl/uranium arsenates,
comparison of the thermochemistry of uranyl/uranium phosphates and arsenates (Barten) 339
Uranyl/uranium phosphates,
comparison of the thermochemistry of uranyl/uranium phosphates and arsenates (Barten) 339

$(YBa_2)_2Cu_6O_y$ superconductor,
thermoanalytical investigation of the $(YBa_2)_2Cu_6O_y$ superconductor. I. Reactions forming the superconductor and its phase changes (Ozawa et al.) 147

Zn(II) methanesulfonates,
thermal decomposition of Co(II), Cu(II) and Zn(II) methanesulfonates (Ramirez et al.) 9

$Zn(CH_3NHCSCSNHCH_3)X_2$ (X = Cl, Br, I) complexes,
complexes of group II_b metals with dithiooxamides. I. Thermal properties of $Zn(CH_3NHCSCSNHCH_3)X_2$ (X = Cl, Br, I) complexes (Geboes et al.) 17

Zinc(II),
thermal and electrical studies on pyrazine-2,3-dicarboxylic acid compounds of manganese(II), cobalt(II), nickel(II), copper(II) and zinc(II) (Allan et al.) 345